

## CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 48. (Canceled)

49. (Currently Amended) A method comprising:

determining whether a transmission of a data stream having a plurality of multimedia channels is expected to meet a predetermined criteria, the predetermined criteria comprising at least one of a real-time transmission or a transmission within a predetermined bandwidth;

compressing at least one of the multimedia channels in the data stream to generate a first compressed data stream when the transmission of the data stream is not expected to meet [[a]]the predetermined criteria; and

determining whether a transmission of the first compressed data stream is expected to meet the predetermined criteria.

50. (Previously Presented) The method of claim 49, further comprising:

transmitting the first compressed data stream when the transmission of the first compressed data stream is expected to meet the predetermined criteria.

51. (Currently Amended) The method of claim 49, further comprising:

compressing at least one multimedia channel of the first compressed data stream to generate a second compressed data stream when the transmission of the first data stream is not expected to meet the predetermined criteria; and

determining whether a transmission of the second compressed data stream is expected to meet the predetermined criteria.

52. (Previously Presented) The method of claim 51, further comprising:

transmitting the second compressed data stream when the transmission of the second compressed data stream is expected to meet the predetermined criteria.

53. (Previously Presented) The method of claim 49, wherein the predetermined criteria includes a real-time transmission of each of the multimedia channels.

54. (Currently Amended) The method of claim 49, wherein the predetermined criteria includes a transmission of the data stream within a maximum predetermined bandwidth.

55. (New) The method of claim 49, wherein the predetermined bandwidth comprises a maximum bandwidth of a transmission medium.

56. (New) The method of claim 49, wherein the predetermined bandwidth comprises a portion of an available bandwidth of a transmission medium.

57. (New) The method of claim 50, wherein transmitting the first compressed data stream comprises wirelessly transmitting the first compressed data stream.

58. (New) The method of claim 49, wherein the data stream includes data from a plurality of sources.

59. (New) The method of claim 49, further comprising:  
selecting the at least one of the multimedia channels using a predefined selection method.

60. (New) The method of claim 59, wherein the predefined selection method includes a round robin method.

61. (New) The method of claim 59, wherein the predefined selection method includes selecting a multimedia channel having a greatest amount of data.

62. (New) The method of claim 59, wherein the predefined selection method comprises a prioritization of the plurality of multimedia channels.

63. (New) The method of claim 59, wherein the predefined selection method includes selecting an uncompressed multimedia channel over a compressed multimedia channel.

64. (New) The method of claim 49, wherein compressing at least one of the multimedia channels comprises:

compressing in a first manner in response to determining a multimedia channel being

compressed has not been compressed in the first manner; and

compressing in a second manner in response to determining the multimedia channel

being compressed has been compressed in the first manner.

65. (New) A computer readable medium tangibly embodying a set of executable instructions to manipulate one or more processors to:

determine whether a transmission of a data stream having a plurality of multimedia channels is expected to meet a predetermined criteria, the predetermined criteria comprising at least one of a real-time transmission or a transmission within a predetermined bandwidth;

compress at least one of the multimedia channels in the data stream to generate a first compressed data stream when the transmission of the data stream is not expected to meet the predetermined criteria; and

determine whether a transmission of the first compressed data stream is expected to meet the predetermined criteria.

66. (New) The computer readable medium of claim 65, the set of executable instructions further to manipulate one or more processors to:

provide the first compressed data stream for transmission when the transmission of the first compressed data stream is expected to meet the predetermined criteria.

67. (New) The computer readable medium of claim 66, wherein the executable instructions to manipulate one or more processors to provide the first compressed data stream comprises executable instructions to provide the first compressed data stream for wireless transmission.

68. (New) The computer readable medium of claim 65, the set of executable instructions further to manipulate one or more processors to:

compress at least one multimedia channel of the first compressed data stream to generate a second compressed data stream when the transmission of the first data stream is not expected to meet the predetermined criteria; and determine whether a transmission of the second compressed data stream is expected to meet the predetermined criteria.

69. (New) The computer readable medium of claim 68, the set of executable instructions further to manipulate one or more processors to:

provide the second compressed data stream for transmission when the transmission of the second compressed data stream is expected to meet the predetermined criteria.

70. (New) The computer readable medium of claim 65, wherein the predetermined criteria includes a real-time transmission of each of the multimedia channels.

71. (New) The computer readable medium of claim 65, wherein the predetermined criteria includes a transmission of the data stream within a predetermined bandwidth.

72. (New) The computer readable medium of claim 65, wherein the predetermined bandwidth comprises a maximum bandwidth of a transmission medium.

73. (New) The computer readable medium of claim 65, wherein the predetermined bandwidth comprises a portion of an available bandwidth of a transmission medium.

74. (New) The computer readable medium of claim 65, wherein the data stream includes data from a plurality of sources.

75. (New) The computer readable medium of claim 65, the set of executable instructions further to manipulate one or more processors to:

select the at least one of the multimedia channels using a predefined selection method.

76. (New) The computer readable medium of claim 75, wherein the predefined selection method includes a round robin method.

77. (New) The computer readable medium of claim 75, wherein the predefined selection method includes selecting a multimedia channel having a greatest amount of data.

78. (New) The computer readable medium of claim 75, wherein the predefined selection method comprises a prioritization of the plurality of multimedia channels.

79. (New) The computer readable medium of claim 75, wherein the predefined selection method includes selecting an uncompressed multimedia channel over a compressed multimedia channel.

80. (New) The computer readable medium of claim 65, the executable instructions to manipulate one or more processors to compress at least one of the multimedia channels comprises executable instructions to manipulate one or more processors to:

compress in a first manner in response to determining a multimedia channel being

compressed has not been compressed in the first manner; and

compress in a second manner in response to determining the multimedia channel being

compressed has been compressed in the first manner.

81. (New) A system comprising:

means for determining whether a transmission of a data stream having a plurality of multimedia channels is expected to meet a predetermined criteria, the predetermined criteria comprising at least one of a real-time transmission or a transmission within a predetermined bandwidth;

means for compressing at least one of the multimedia channels in the data stream to generate a first compressed data stream when the transmission of the data stream is not expected to meet the predetermined criteria; and

means for determining whether a transmission of the first compressed data stream is expected to meet the predetermined criteria.

82. (New) The system of claim 81, further comprising:

means for transmitting the first compressed data stream when the transmission of the first compressed data stream is expected to meet the predetermined criteria.

83. (New) The system of claim 82, wherein the means for transmitting the first compressed data stream comprises wirelessly transmitting the first compressed data stream.

84. (New) The system of claim 81, further comprising:

means for compressing at least one multimedia channel of the first compressed data stream to generate a second compressed data stream when the transmission of the first data stream is not expected to meet the predetermined criteria; and  
means for determining whether a transmission of the second compressed data stream is expected to meet the predetermined criteria.

85. (New) The system of claim 84, further comprising:

means for transmitting the second compressed data stream when the transmission of the second compressed data stream is expected to meet the predetermined criteria.

86. (New) The system of claim 81, wherein the predetermined criteria includes a real-time transmission of each of the multimedia channels.

87. (New) The system of claim 81, wherein the predetermined criteria includes a transmission of the data stream within a predetermined bandwidth.

88. (New) The system of claim 81, wherein the predetermined bandwidth comprises a maximum bandwidth of a transmission medium.

89. (New) The system of claim 81, wherein the predetermined bandwidth comprises a portion of an available bandwidth of a transmission medium.

90. (New) The system of claim 81, wherein the data stream includes data from a plurality of sources.

91. (New) The system of claim 81, further comprising:  
means for selecting the at least one of the multimedia channels using a predefined selection method.

92. (New) The system of claim 91, wherein the predefined selection method includes a round robin method.

93. (New) The system of claim 91, wherein the predefined selection method includes selecting a multimedia channel having a greatest amount of data.

94. (New) The system of claim 91, wherein the predefined selection method comprises a prioritization of the plurality of multimedia channels.

95. (New) The system of claim 91, wherein the predefined selection method includes selecting an uncompressed multimedia channel over a compressed multimedia channel.

96. (New) The system of claim 81, wherein the means for compressing at least one of the multimedia channels comprises:  
means for compressing in a first manner in response to determining a multimedia channel being compressed has not been compressed in the first manner; and  
means for compressing in a second manner in response to determining the multimedia channel being compressed has been compressed in the first manner.